

FATTY ACID NUTRITIONAL SUPPLEMENT**ABSTRACT**

[0094] A seven-carbon fatty acid or derivative thereof has been identified as an excellent energy source for humans or human infants. A nutritional supplement suitable for humans or human infants comprising a seven carbon fatty acid chain compound or derivative thereof can be used to increase energy production derived from fatty acid metabolism. For example, administering a seven carbon fatty acid chain compound or derivative thereof can be used to accelerate the growth rate of a prematurely born human infant.